**TRIMESTER TWO**

**Science, Technology, Engineering and math are interconnected. What we do in one area affects the others.**

What variables can you identify in a system?

If you change one thing in a system, how does it affect everything else?

What are constraints?

**How do I communicate my findings in a meaningful way? How do I learn about and understand the findings of others?**

How do you record and share your findings?

How do you find the average of many numbers?

Why do we graph data?

What conclusions can you draw from your data?

How do we analyze and interpret the findings of others?

**Can I identify the principles of design and engineering** in past inventions and processes?

Can I identify the principles of design and engineering in my own inventions?

What processes of engineering did you use to meet the goals presented?

**What careers exist in the world of STEM?**

What is the fastest growing career field in STEM?

What is the most lucrative career field in STEM?

What training or education is needed for STEM careers?

What are possible careers of the future (where are creativity and innovation taking us)?

**What is technology?**

What is the purpose of technology?

How has technology changed our world?

How have our demands and curiosity changed technology?

**In what ways are STEM principles used to solve current world (or local) issues?**

How do we use our STEM skills to identify a problem?

How can we model our problem and/or our understanding?

When is backwards design a better option than forward design?

What impact does STEM have on ecology, economics, society, and laws?